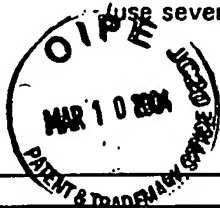


| | | |
|--|--------------------------------|-----------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (use several sheets if necessary) | Atty. Docket No. ENZ-61(D2) | Serial No. 10/763,076 |
| | Applicants: Ilan, et al | |
| | Filed: January 22, 2004 | Group: Not yet known |



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|-------|------------------|-------|--------------|---------------------------------------|
| JR | 5 4 9 4 8 1 0 | 02/96 | Barany, et al | | | |
| JR | 6 0 0 4 2 8 6 | 12/99 | Bellhouse, et al | | | |
| JR | 5 5 8 2 9 8 4 | 12/96 | Bieniarz, et al | | | |
| JR | 5 5 9 9 9 3 2 | 02/97 | Bieniarz, et al | | | |
| JR | 4 9 7 8 6 1 4 | 12/90 | Bronstein, IY | | | |
| JR | 5 4 6 2 8 5 4 | 10/95 | Coassin, et al | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRAN- SLATION YES NO |
|----|------------------|---------|---------------|-------|--------------|----------------------------|
| JR | EP 0 6 6 7 3 9 3 | 8/16/95 | Rabbani et al | A1 | | |
| JR | EP 0 0 7 0 6 8 5 | 7/14/82 | Heller, et al | A1 | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| JR | Ball, et al., "The use of tailed octamer primers for cycle sequencing," <u>Nucl. Acids. Res.</u> 26:5225-5227 (1998) |
| JR | Baranov, et al., "A new technique for the characterization of long-range tertiary contacts in large RNA molecules: insertion of a photolabel at a selected position in 16S rRNA within the Escherichia coli ribosome," <u>Nucl. Acids Res.</u> 25:2266-2273 (1997) |
| | Dale, R.M., et al., "Direct covalent mercuration of nucleotides and polynucleotides," <u>Biochemistry</u> 14:2447-2457 (1978) not provided |
| JR | Dale, R.M., et al., "The synthesis and enzymatic polymerization of nucleotide containing mercury: potential tools for nucleic acid sequencing and structural analysis," <u>Proc. Natl. Acad. Sci. USA</u> 70:2238-2242 (1973) |
| JR | Doan, T.L., et al., "Targeted cleavage of polynucleotides by complementary oligonucleotides covalently linked to iron-porphyrins," <u>Biochemistry</u> 25:6736-6739 (1986) |
| JR | Eglinton, G., et al., "A coupling of acetylenic compounds," <u>Adv. Organic Synthesis</u> 4:225-328 (1963) |

| | |
|------------------------|----------------------------|
| EXAMINER /Jezia Riley/ | DATE CONSIDERED 08/30/2006 |
|------------------------|----------------------------|

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|-------|-------------------|-------|--------------|---------------------------------------|
| JR | 5 8 4 9 4 8 0 | 12/98 | Cros, et al | | | |
| JR | 4 8 9 4 3 2 5 | 01/90 | Engelhardt, et al | | | |
| JR | 5 2 4 1 0 6 0 | 08/93 | Engelhardt, et al | | | |
| JR | 5 2 8 8 6 0 9 | 02/94 | Engelhardt, et al | | | |
| JR | 6 2 2 1 5 8 1 | 04/01 | Engelhardt, et al | | | |
| JR | 4 3 7 5 9 7 2 | 03/83 | Forgione, et al | | | |
| JR | 5 2 1 0 0 1 5 | 05/93 | Gelfand, et al | | | |

| FOREIGN ENTRY DOCUMENTS | | | | | | | | | | | | | | |
|-------------------------|----|-----------------|----|---|---|---|---|---|----------|----------------|-------|-----------|-------------|--|
| | | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB CLASS | TRANSLATION | |
| | | YES | NO | | | | | | | | | | | |
| JR | WO | 9 | 9 | 2 | 8 | 5 | 0 | 0 | 11/27/98 | Lee, et al | | | | |
| JR | EP | 0 | 9 | 1 | 7 | 0 | 3 | 9 | 1/12/00 | Rabbani, et al | A1 | | | |

| | | |
|---|--|---|
| | | Enzo-Biochem, Catalog Nos. 42722, 4723, 4724, New York, NY <i>no date</i> |
| JR | | Ernst, et al., "Cyanine dye labeling reagents for sulfhydryl groups," <u>Cytometry</u> 10:3-10 (1989) |
| JR | | Fuhrp, J.H., et al., Chapter 19 in "Porphyrins and Metalloporphyrins," ed. Smith, K.M., Elsevier Science, New York (1975) |
| JR | | Kawase, et al., "Studies on nucleic acid interactions. I. Stabilities of mini-duplexes (dG2A4XA4G2-dC2T4YT4C2) and self-complementary d(GGGAAXYTTC) containing deoxyinosine and other mismatched bases," <u>Nucl. Acids. Res.</u> 14:7727-7736 (1986) |
| JR | | Kuhlmann, K.F., et al., "Synthesis, DNA-binding and biological activity of a double intercalating analog of ethidium bromide," <u>Nucl. Acids. Res.</u> 5:2629-2633 (1978) |
| JR | | Larock, "Organomercurials in Organic Synthesis," <u>Tetrahedron</u> 38:1713-1754 (1982) |
| EXAMINER | | /Jezia Riley/ DATE CONSIDERED 08/30/2006 |
| <p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | | |

| | | |
|---|--------------------------------|-----------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (use several sheets if necessary) | Atty. Docket No. ENZ-61(D2) | Serial No. 10/763,076 |
| | Applicants: Ian, et al | |
| | Filed: January 22, 2004 | Group: Not yet known |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|-------|---------------|-------|--------------|---------------------------------------|
| JR | 6 3 3 8 9 5 4 | 01/02 | Gemen, B. | | | |
| JR | 5 6 4 6 2 6 4 | 07/97 | Glazer, et al | | | |
| JR | 5 2 4 8 6 1 8 | 09/93 | Haces, A. | | | |
| JR | 5 7 3 0 8 4 9 | 03/98 | Hamby, et al | | | |
| JR | 4 7 0 7 4 5 4 | 11/87 | Hendrix, JL | | | |
| JR | 5 4 6 4 7 4 1 | 11/95 | Hendrix, JL | | | |
| JR | 5 9 9 4 0 5 6 | 11/99 | Higuchi, RG | | | |
| JR | 5 0 4 7 5 1 9 | 09/91 | Hobbs, et al | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRAN- SLATION YES NO |
|----|------------------|----------|----------------|-------|--------------|----------------------------|
| JR | EP 1 2 7 5 7 3 7 | 1/15/03 | Rabbani, et al | A1 | | |
| JR | EP 1 3 4 4 8 3 5 | 11/17/03 | Rabbani, et al | A1 | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| JR | Lee, L.G., et al., "DNA sequencing with dye-labeled terminators and T7 DNA polymerase: effect of dyes and dNTPs on incorporation of dye-terminators and probability analysis of termination fragments," <u>Nucl. Acids Res.</u> 20:2471-2488 (1992) |
| JR | Liu, H., et al., "PCR amplification using deoxyinosine to replace an entire codon and at ambiguous positions," <u>Biotechniques</u> 16:24-26 (1994) |
| JR | Liu, D., et al., "Stable human immunodeficiency virus type 1 (HIV-1) resistance in transformed CD4+ monocytic cells treated with multitargeting HIV-1 antisense sequences incorporated into U1 snRNA," <u>J. Virol</u> 71:4079-4085 (1997) |
| JR | Loakes, D., et al., "5-Nitroindole as an universal base analogue," <u>Nucl. Acids Res.</u> 22:4039-4043 (1994) |
| JR | Loakes, D., "The applications of universal DNA base analogues," <u>Nucl. Acids Res.</u> 29:2437-2447 (2001) |

| | |
|------------------------|----------------------------|
| EXAMINER /Jezia Riley/ | DATE CONSIDERED 08/30/2006 |
|------------------------|----------------------------|

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|--------------------------------|-----------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (use several sheets if necessary) | Atty. Docket No. ENZ-61(D2) | Serial No. 10/763,076 |
| | Applicants: Ilan, et al | |
| | Filed: January 22, 2004 | Group: Not yet known |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|-------|----------------|-------|--------------|---------------------------------------|
| JR | 6 2 2 8 5 7 8 | 05/01 | Impraim, et al | | | |
| JR | 5 5 5 4 5 1 6 | 09/96 | Kacien, et al | | | |
| JR | 5 9 4 8 6 4 8 | 09/99 | Kahn, et al | | | |
| JR | 5 9 4 5 2 8 3 | 08/99 | Kwok, et al | | | |
| JR | 5 9 4 5 5 2 6 | 08/99 | Lee, et al | | | |
| JR | 5 1 1 8 8 0 1 | 06/92 | Lizardi, et al | | | |
| JR | 5 1 3 0 2 3 8 | 07/92 | Malek, et al | | | |
| JR | 4 6 8 3 2 0 2 | 07/87 | Mullis, et al | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRANS- LATION YES NO |
|-----------------|------|------|-------|--------------|----------------------------|
| | | | | | |
| | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| JR | Maulding, D.R., et al., "Chemiluminescence from Reactions of Electrophilic Oxamides with Hydrogen Peroxide and Fluorescent Compounds," <u>J. Org. Chem.</u> 33:250-254 (1968) |
| JR | Moan, J., et al., "Porphyrin photosensitization and phototherapy," <u>Photochem. Photobio.</u> 43:681-690 (1986) |
| JR | Mujumdar, R.B., et al., "Cyanine dye labeling reagents containing isothiocyanate groups," <u>Cytometry</u> 10:11-19 (1989) |
| JR | Mujumdar, R.B., et al., "Cyanine dye labeling reagents: sulfoindocyanine succinimidyl esters," <u>Bioconjugate Chemistry</u> 4:105-111 (1993) |
| JR | Nichols, et al., "A universal nucleoside for use at ambiguous sites in DNA primers," <u>Nature</u> 369:492-493 (1994) |
| JR | Okayama, H., et al., "High efficiency cloning of full length cDNA," <u>Mol. Cell. Biol.</u> 2:161 (1982) |

| | | | |
|----------|---------------|-----------------|------------|
| EXAMINER | /Jezia Riley/ | DATE CONSIDERED | 08/30/2006 |
|----------|---------------|-----------------|------------|

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|--------------------------------|-----------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (use several sheets if necessary) | Atty. Docket No. ENZ-61(D2) | Serial No. 10/763,076 |
| | Applicants: Ilan, et al | |
| | Filed: January 22, 2004 | Group: Not yet known |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|-------|------------------|-------|--------------|---------------------------------------|
| JR | 5 8 6 6 3 3 6 | 02/99 | Nazarenko, et al | | | |
| JR | 6 1 1 4 3 5 0 | 09/00 | Randall, et al | | | |
| JR | 6 1 1 0 6 3 0 | 08/00 | Reddy, et al | | | |
| JR | 6 0 0 1 5 7 3 | 12/99 | Roalent, C. | | | |
| JR | 5 7 0 7 5 5 9 | 01/98 | Schaap, et al | | | |
| JR | 6 3 2 3 3 3 7 | 11/01 | Singer, et al | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRAN- SLATION YES NO |
|-----------------|------|------|-------|--------------|----------------------------|
| | | | | | |
| | | | | | |
| | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|---|--|---|
| JR | | Rieke, R.D., "The preparation of highly reactive metals and the development of novel organometallic reagents," <u>Aldrichimica Acta</u> 33:52-60 (2000) |
| JR | | Robins, M.J., et al., "Nucleic Acid Related Compounds. 39. Efficient Conversion of 5-Iodo to 5-Alkynyl and Derived 5-Substituted Uracil Bases and Nucleosides," <u>J. Org. Chem.</u> 48:1854-1862 (1983) |
| JR | | Schaap, et al., "Chemical and Enzymatic Triggering of 1,2-Dioxetanes. 1: Aryl Esterase-Catalyzed Chemiluminescence from a Naphthyl Acetate-Substituted 1,2-Dioxetane," <u>Tetrahedron Letters</u> 28:935-938 (1987) |
| JR | | Schaap, A.P., et al., "Chemical and Enzymatic Triggering of 1,2-Dioxetanes. 3: Alkaline Phosphatase-Catalyzed Chemiluminescence from an Aryl Phosphate-Substituted Dioxetane," <u>Tetrahedron Letters</u> 28:1159-1163 (1987) |
| JR | | Selinger, D.W., et al., "RNA expression analysis using a 30 base pair resolution <i>Escherichia coli</i> genome array," <u>Nature Biotech.</u> 18:1262-1268 (2000) |
| JR | | Shibahara, S., et al., "Site-directed cleavage of RNA," <u>Nucl. Acids Res.</u> 15:4403-4415 (1987) |
| EXAMINER | | /Jezia Riley/ |
| | | DATE CONSIDERED 08/30/2006 |
| <p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | | |

| | | |
|---|--------------------------------|-----------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (use several sheets if necessary) | Atty. Docket No. ENZ-61(D2) | Serial No. 10/763,076 |
| | Applicants: Ilan, et al | |
| | Filed: January 22, 2004 | Group: Not yet known |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|-------|---------------------------|-------|--------------|---------------------------------------|
| JR | 4 8 6 8 1 0 3 | 09/89 | Stavrianopolous, et al | | | |
| JR | 4 9 5 2 6 8 5 | 08/90 | Stavrianopolous, et al | | | |
| JR | 4 9 9 4 3 7 3 | 02/91 | Stavrianopolous, et al | | | |
| JR | 5 0 1 3 8 3 1 | 05/91 | Stavrianopolous, et al | | | |
| JR | 5 5 7 8 8 3 2 | 11/96 | Trulson, et al | | | |
| JR | 5 1 3 2 2 0 4 | 09/92 | Urdea, et al | | | |
| JR | 5 8 9 1 6 3 6 | 04/99 | Van Gelder, et al | | | |
| JR | 5 2 6 8 4 8 6 | 12/97 | Waggoner, et al | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRAN- SLATION YES NO |
|-----------------|------|------|-------|--------------|----------------------------|
| | | | | | |
| | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | |
|--|---|---------------|-----------------|------------|
| JR | Southwick, P.L., et al., "Cyanine dye labeling reagents - carboxymethylindocyanine succinimidyl esters," <u>Cytometry</u> 11:418-430 (1990) | | | |
| JR | Talaat, A.M., et al., "Genome-directed primers for selective labeling of bacterial transcripts for DNA microarray analysis," <u>Nature Biotech.</u> 18:679-682 (2000) | | | |
| JR | Tao, et al., "Genomics: Expression Analysis of Escherichia coli Growing on Minimal and Rich Media," <u>J. Bact.</u> 181:6425-6490 (1999) | | | |
| JR | Wieringa, J.H., et al., "Adamantylideneadamantane Peroxide. A Stable 1,2 Dioxetane," <u>Tetrahedron Letters</u> 2:169-172 (1972) | | | |
| JR | Zhu, Z., et al., "Directly labeled DNA probes using fluorescent nucleotides with different length linkers," <u>Nucl. Acids. Res.</u> 22:3418-3422 (1994) | | | |
| EXAMINER | | /Jezia Riley/ | DATE CONSIDERED | 08/30/2006 |
| *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | |

| | | |
|---|--------------------------------|-----------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (use several sheets if necessary) | Atty. Docket No. ENZ-61(D2) | Serial No. 10/763,076 |
| | Applicants: Ilan, et al | |
| | Filed: January 22, 2004 | Group: Not yet known |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
|---------------------|-----------------|-------|-----------------|-------|--------------|---------------------------------------|
| JR | 5 6 2 7 0 2 7 | 05/97 | Waggoner, et al | | | |
| JR | 6 0 0 8 3 7 3 | 12/99 | Waggoner, et al | | | |
| JR | 5 2 7 0 1 8 4 | 12/93 | Walker, et al | | | |
| JR | 5 4 5 5 1 6 6 | 10/95 | Walker, et al | | | |
| JR | 4 7 1 1 9 5 5 | 12/87 | Ward, et al | | | |
| JR | 5 4 5 5 1 7 5 | 10/95 | Wittwer, et al | | | |
| JR | 6 1 7 4 6 7 0 | 01/01 | Wittwer, et al | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | TRANS- LATION YES NO |
|-----------------|------|------|-------|--------------|----------------------------|
| | | | | | |
| | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|--|---------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| EXAMINER | /Jezia Riley/ |
| DATE CONSIDERED | 08/30/2006 |
| *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |